PERSONAL INFORMATION

First name / Last name	**JAIME JIMÉNEZ**
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Website	*http://jaimejim.github.io/about/*
Mobile phone	+358442992827

WORK EXPERIENCE

Dates | **December 2008 - Ongoing**

Occupation or position held | **Senior Researcher – Services, Media and Networks**

Main activities and responsibilities

- Architecture, design and insights on the best available technologies to build Ericsson's AppIoT product in the role of Technical Domain Expert. AppIoT uses Azure for the backend side and any sensor/actuator on the device side, providing that MQTT/CoAP/LWM2M are supported.
- 5 years of experience in research on Internet of Things (IoT) protocols and devices. Special focus on IoT Lifecycle Management perspective and driving those solutions to standards. Standardizing our solutions in the Capillary Networks area and contributing to Ericsson's patent portfolio.
- During my time as researcher in Ericsson I have authored more than 15 patents. The areas of the inventions are **Internet of Things** and **Distributed Systems**.
- Extensive experience prototyping within Ericsson Research for presentations in showrooms like Mobile World Congress. Evolved Capillary Networks prototype demo in the MWC15.
- Worked as coordinator and contributor on several external European and Finnish projects in several roles: FP7 COMMUNE, Massive Scale Machine to Machine (MAMMOTH), DIEM.
- First prize at the ICT Showroom competition. Tutoring selected Aalto on students on two different winning IoT projects.
- Worked as architect on internal IoT project developing a solution for Low Energy - IoT Device Management (later built on AppIoT).
- Managed an industrial designer for a prototyping project. This involved ideation, funding and creation of a 3D printed sensor hardware components.
- Worked in device design and prototype manufacture for a Distributed Sensor and Actuator Network.
- Implementation and research in the Internet of Things (IoT), OMA Lightweight M2M (LWM2M), Constrained Application Protocol (CoAP), ZigBee, Wireless Sensor Networks and embedded devices area. Pursuing those activities in the relevant Standard bodies.
- Implementing a prototype for the decentralization of Session Initiation Protocol (SIP) telecommunications.
- I also prototyping of my own which I often publish on my blog.
- Supervised 6 Master's Theses students that got excellent grades.

Standard's Organizations

Co-Chair of the Constrained RESTful Environments (CoRE) Working Group at the IETF

Standardization of the Constrained Application Protocol (CoAP), a specialised web transfer protocol for constrained IoT devices. https://tools.ietf.org/wg/core/

As chair I am responsible of coordinating circa 60 engineers from different companies to provide high-quality technical specifications.

IPSO Smart Objects, Main contributor

Creating data models for Internet of Things. https://github.com/IPSO-Alliance/pub

Those are used on IKEA Tradfri and others http://jaimejim.github.io/tradfri/

Employer | Ericsson Finland, www.ericsson.com

Occupation or position held | **Software Engineer**

Main activities and responsibilities | Researching security in online banking transactions, Smartcard research, setting Unix and Windows environments, Network Set Up and Administration, management of Virtual Machines as well as translation of technical papers.
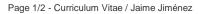
Employer | University Carlos III and Department of IT Security Evaluation, www.evalues.es

Type of business or sector | Education

Dates	**October 2006 – May 2007**
Occupation or position held	**Trainee**
Main activities and responsibilities	Software installation, maintenance and technical support for Windows workstations.
Employer	Viajes IberoService, www.iberoservice.com
Type of business or sector	Tourism

EDUCATION

Dates	**2009 - 2011**
Title of qualification awarded	**Master's program "Communications Systems, Security and Mobile Computing"**
Principal subjects/occupational skills to be covered	Advanced Internetworking, Internet Security and Privacy, ICT Entrepreneurship and Venture Creation, Network Services, Advanced Routing in Packet Networks, Management of Networks and Networked Systems, Security in Mobile and Wireless Networks.
Scholarships	NordPlus Scholarship (2010-2011) granted for excellent EU/EEA citizens, funded by the Nordic Council of Ministers.
Name and type of organisation providing education and training	KTH Royal Institute of Technology, School of Information and Communication Technology, Stockholm, Sweden, www.kth.se Aalto University (TKK), School of Science and Technology, Helsinki, Finland, www.aalto.fi

Dates	**2003 – 2007**
Title of qualification awarded	**Graduate Computer Engineer, Major: Programming**
Principal subjects/occupational skills to be covered	Programming, Intra/Inter-domain Routing, Databases, Software Development, Computer Architecture and Organization.
Name and type of organisation providing education and training	"Carlos III" University, School of Computing, Madrid, Spain, www.uc3m.es

PERSONAL SKILLS

LANGUAGES	Spanish, English, German, Italian
Spanish	Mother tongue
English	Fluent, Certificate of Proficiency in English (C2.2)
German	Advanced (C1)
Italian	Advanced (C1.2)
OTHER SKILLS AND COMPETENCES	• Presentation: I am very comfortable delivering presentations and public speaking. • Workplace: comfortable in small self-managed teams or larger organizations like those part of standard bodies. Used to an Agile workplace environment. • Programming: NodeJs, Java, Python and Shell Scripting. Modelling languages like JSON, XML or CBOR. • Research: Markdown, LaTeX, XML, IETF tools, Gantt, Matlab, etc.. • Emulation/Simulation: Among others OverSim, OMNet, GNS3 and VBox. • General: Comfortable in most common UNIX-based systems (MacOSX, Linux, FreeBSD) as well as Windows systems.
INTERESTS	Research & Entrepreneurship, Future Technologies & Innovative use of technology, Vintage patents, Photography, Football, Travel, Cuisine, and Languages.